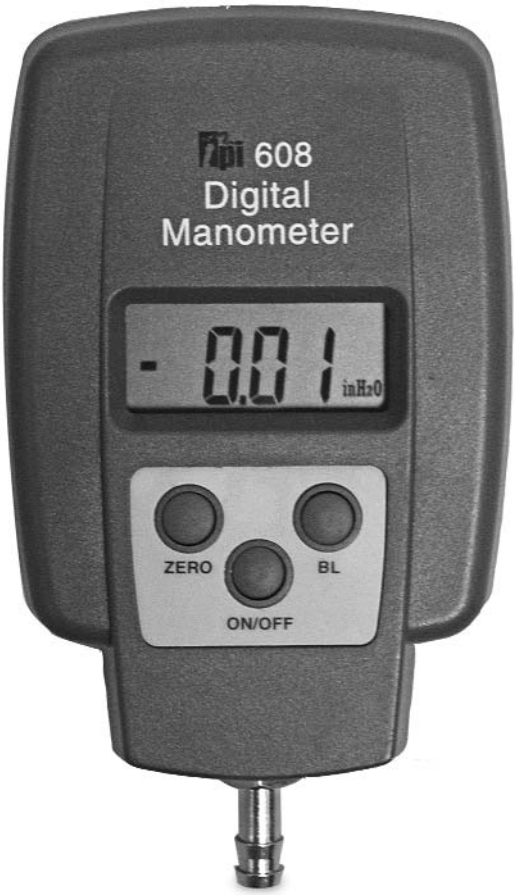
Digital Manometer 608

TestProducts International, Inc.



The Value Leader

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A. INTRODUCTION

1. Congratulations: Thank you for purchasing TPI products. The 608 is easy to use and built to last. Please remember to complete and return your product warranty registration card.

2. Product Description: The 608 digital manometer measures pressure or vacuum in four units of measure. Please follow manufactures recommendations on all equipment being serviced with the 608.

B. SAFETY CONSIDERATIONS

1. Wear safety gogles.
2. Make sure system pressure does not exceed the capability of the 608 before connection.
3. Check all connections making sure they are secure with no leaks.
4. Observe all manufacturers recommendations.

C. General Specifications

Sensor Type	Temperature compensated solid state
Connector Type	Standard 1/4" Barb Fitting
Range	-60 inH_2O to 60 inH_2O
Units of Measure	PSI, mBar, KPa, inH_2O
Over Pressure	+/- 120 inH_2O
Operating Temperature	14° to 122°F (-10° to 50°C)
Power Supply	9 Volt Alkaline

D. Accuracy

Measurement	Range	Resolution	Accuracy
inH_2O	+/-(0.01 to 29.99)	0.01	+/-0.3 inH_2O
	+/-(30.0 to 60.0)	0.1	+/- 0.6 inH_2O
mbar	+/-(0.01 to 29.99)	0.01	+/-0.3 mbar
	+/-(0.01 to 29.99)	0.1	+/-1.5 mbar
KPa	+/-(0.001 to 2.999)	0.001	+/-0.03 KPa
	+/-(3.00 to 15.00)	0.01	+/-.15 KPa
PSI	+/-(0.001 to 2.175)	0.001	+/- 0.021 PSI

E. MEASUREMENT TECHNIQUES

1. Turn the 608 on by pressing the ON/OFF button. The display will initially read "608" along with the selected unit of measure. After this initial display the 608 is ready for use.

   Note: Follow these steps to change the unit of measure.

   a) With the 608 turned off, press and hold the on/off button until the display reads "----" and the unit annunciator flashes.

   b) Release the on/off button and then press it repeatedly until the desired unit of measure is displayed. The unit of measure will cycle through inH2O, mbar, KPa, and PSI.

   c) Once the desired unit of measure is selected, allow the 608 to turn off and then turn it back on and proceed with testing. The 608 will turn on in the last selected unit of measure until changed.

2. Zero the displayed reading by pressing the ZERO button.

3. Connect the 608 to the device under test.

Additional Features

Backlight - The backlight can be activated to make the display easier to see in dark environments. Press the BL button to turn the backlight on. The display will light up and "BL" will be displayed.To preserve battery life, the backlight will remain on for 15 seconds and then turn off.

Auto Power Off - To extend battery life, the 608 will automatically turn off after 20 minutes.

Case Magnets and Hook - The 608 back case is equipped with magnets and a hook. This allows the 608 to be secured during tests.

F. ACCESSORIES

Item #	Description
A009A	9 Volt Alkaline Battery (included)
A774	Silicone tubing (included)
A100	Soft Carrying Pouch (optional)

G. MAINTENANCE

1. Clean the surface of the instrument using a damp cloth.

2. Replace the 9 Volt battery when the low battery indicator appears on the LCD.

H. TROUBLE SHOOTING

Symptom	Probable Cause
Display reads "oFL"	• Pressure over range • Low battery. • Damaged sensor.
608 does not turn on.	• Dead or low battery. • Defective POWER ON switch. • Broken battery connector.

I. WARRANTY

This product is warranted to the purchaser against defects in material and workmanship for three years from the date of purchase.

Covered by Warranty: Repair parts and labor; or replacement of the product at company's option. Normal transportation charges to the purchaser are also covered.

Not Covered by Warranty: Damages to the product which are the result of abuse, improper use or maintenance are not covered. Any other expense, consequential damages, incidental damages, or incidental expenses including damages to property are not covered. Transportation expenses to the company are not covered.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

To Obtain Warranty Performance: Include with the product: your name, address, phone number, written description of the problem and proof of purchase date. Carefully package and return to:

TPI, Inc.
9615 SW Allen Blvd.
Beaverton, OR 97005
USA

TPI, Ltd.
342 Bronte Rd. S., Unit 9
Milton, Ontario L9T 5B7
Canada

TPI, Europe Ltd..
Longley House, East Park
Crawley
West Sussex RH10 6AP
England

Implied Warranties: Any implied warranties including implied warranties of merchantability and fitness for a particular purpose, are limited in duration to three years from date of purchase. To the extent any provision of this warranty is prohibited by federal or state law and cannot be preempted, it shall not be applicable. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.